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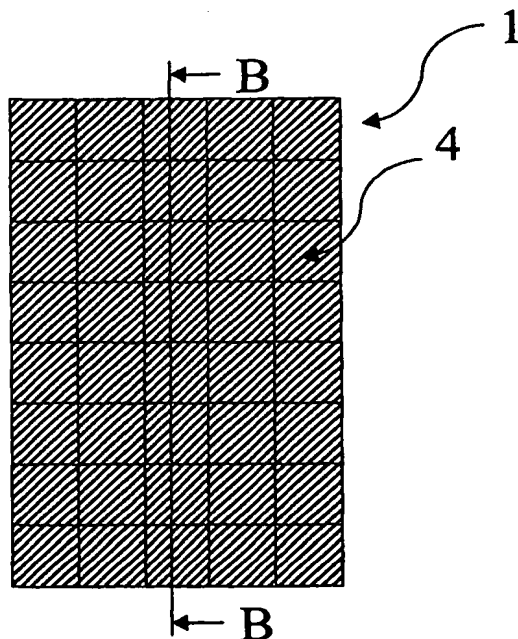
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(54) Title: FABRIC FOR PROTECTIVE GARMENTS



(57) Abstract: The present invention relates to a heat, flame, and electric arc resistant fabric (1) for use as single or outer layer of protective garments. The fabric (1) of the invention comprises at least two separate single plies which are assembled together at predefined positions so as to build pockets (4). The fabric (1) of the invention is made of materials independently chosen from the group consisting of aramid fibers and filaments, polybenzimidazol fibers and filaments, polyamidimid fibers and filaments, poly(paraphenylene benzobisaxazole) fibers and filaments, phenol-formaldehyde fibers and filaments, melamine fibers and filaments, natural fibers and filaments, synthetic fibers and filaments, artificial fibers and filaments, glass fibers and filaments, carbon fibers and filaments, metal fibers and filaments, and composites thereof. Due to its peculiar structure, the fabric (1) according to the present invention can have a specific weight which is considerably lower than that of known fabrics having comparable mechanical and thermal properties.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A41D31/00 D03D15/12 D03D11/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A41D D03D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/64985 A (MARCANADA INC ; BARBEAU CLAUDE (CA); COCHRAN ROSS (CA)) 7 September 2001 (2001-09-07) page 4, line 4 - page 6, last paragraph page 7, last paragraph - page 8, line 25; claims 1-14,18-28,31-34; figures 1,2	1-3,7-9, 20,22,24
X	US 2 884 018 A (DELCELLIER HENRI A ET AL) 28 April 1959 (1959-04-28) column 1, line 15 - column 5, line 30; claims 1,2,4,5; figures 1-4d	1,3,12, 13,19,20
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/57738 A (BEKAERT SA NV ; GUCHT ANN V D (BE); HEIRBAUT GUIDO (BE); STEENLANDT WI) 5 October 2000 (2000-10-05) page 6, line 14 - page 9, line 12 page 11, paragraph 1 - paragraph 3 page 13, line 25 - last paragraph page 18, paragraph 2 - page 19, paragraph 3; claims 1,2,4,7-9,23,24; figures 2,6,7,12	1-3,7, 20,21
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Fig 1

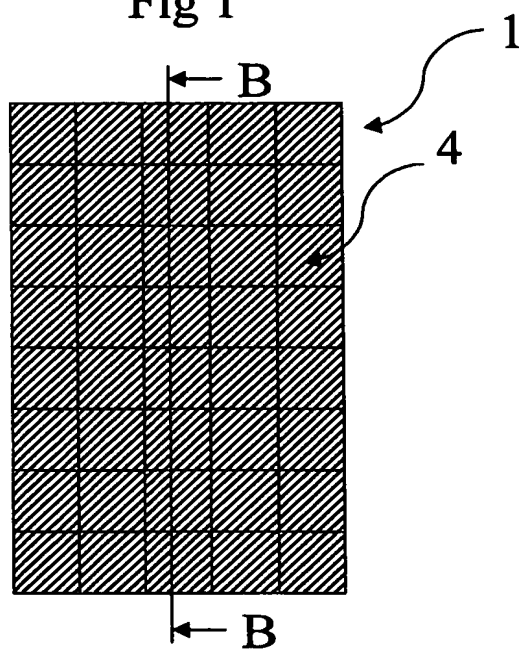


Fig 2

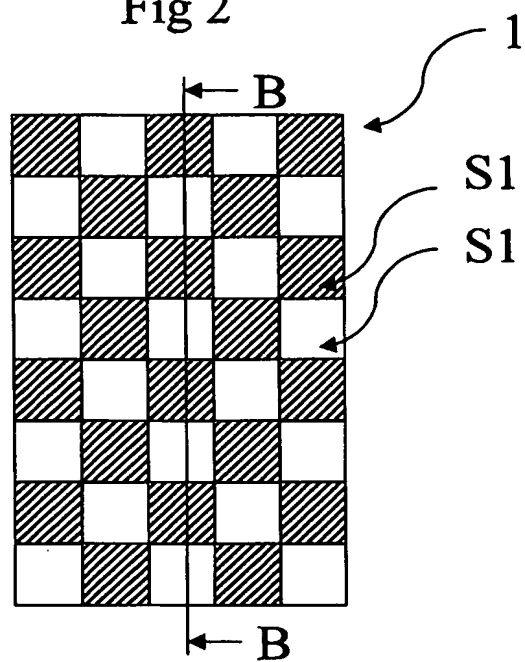


Fig 3a

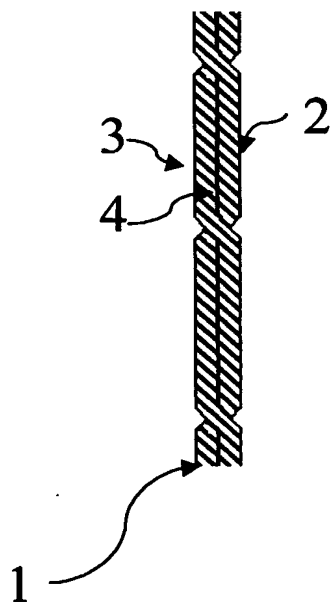


Fig 3b

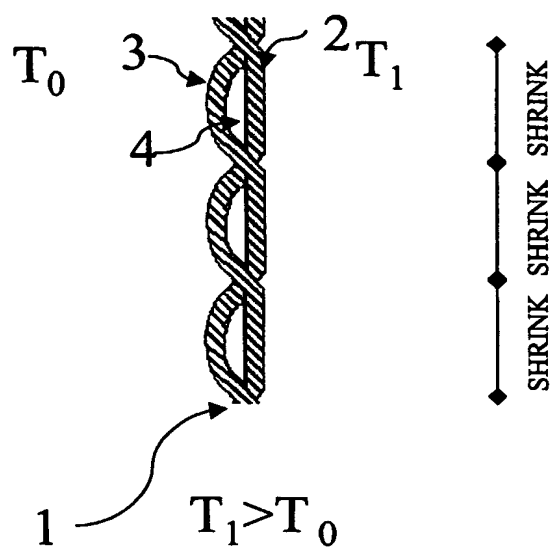
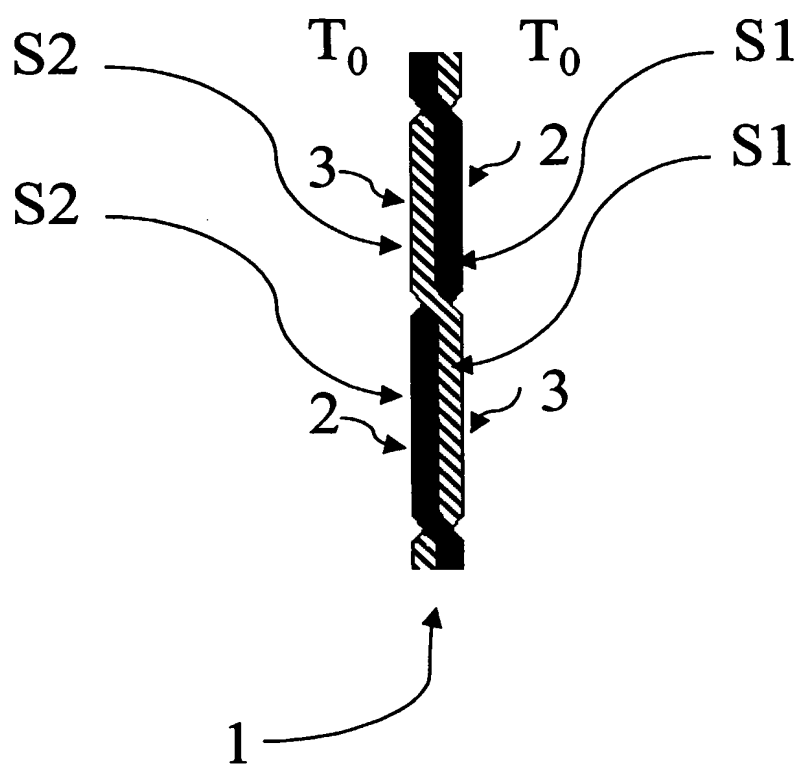
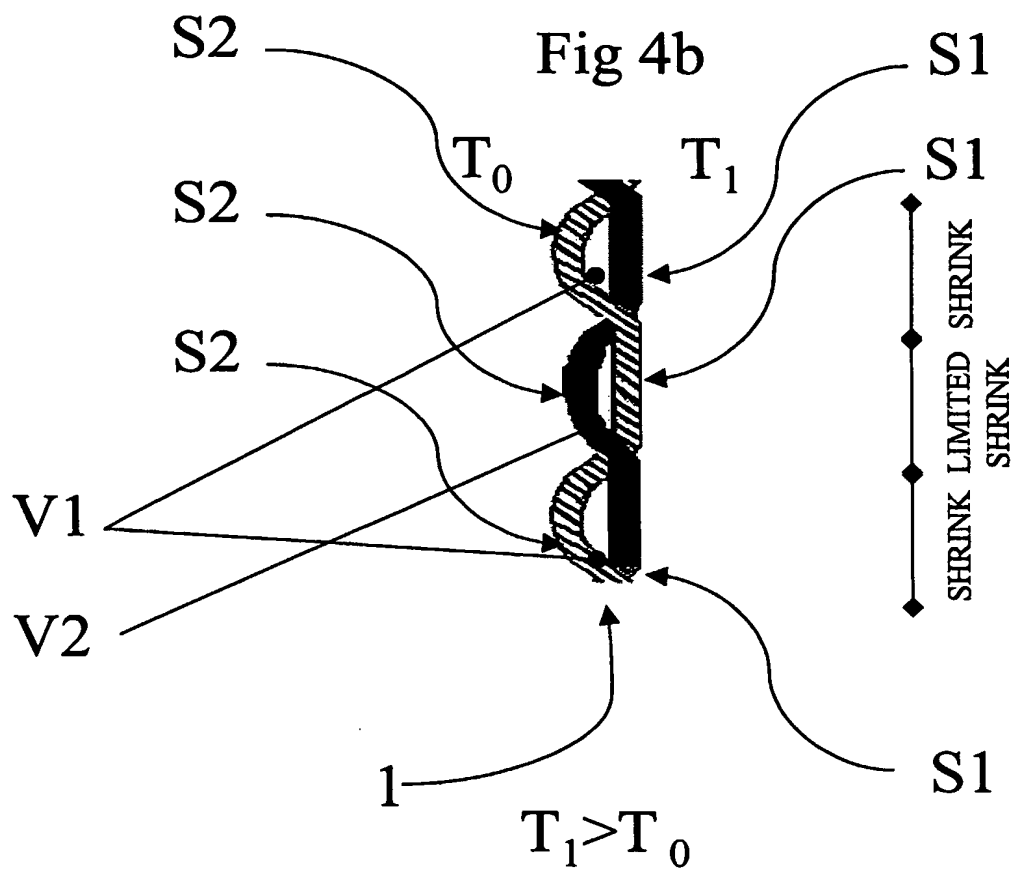


Fig 4a





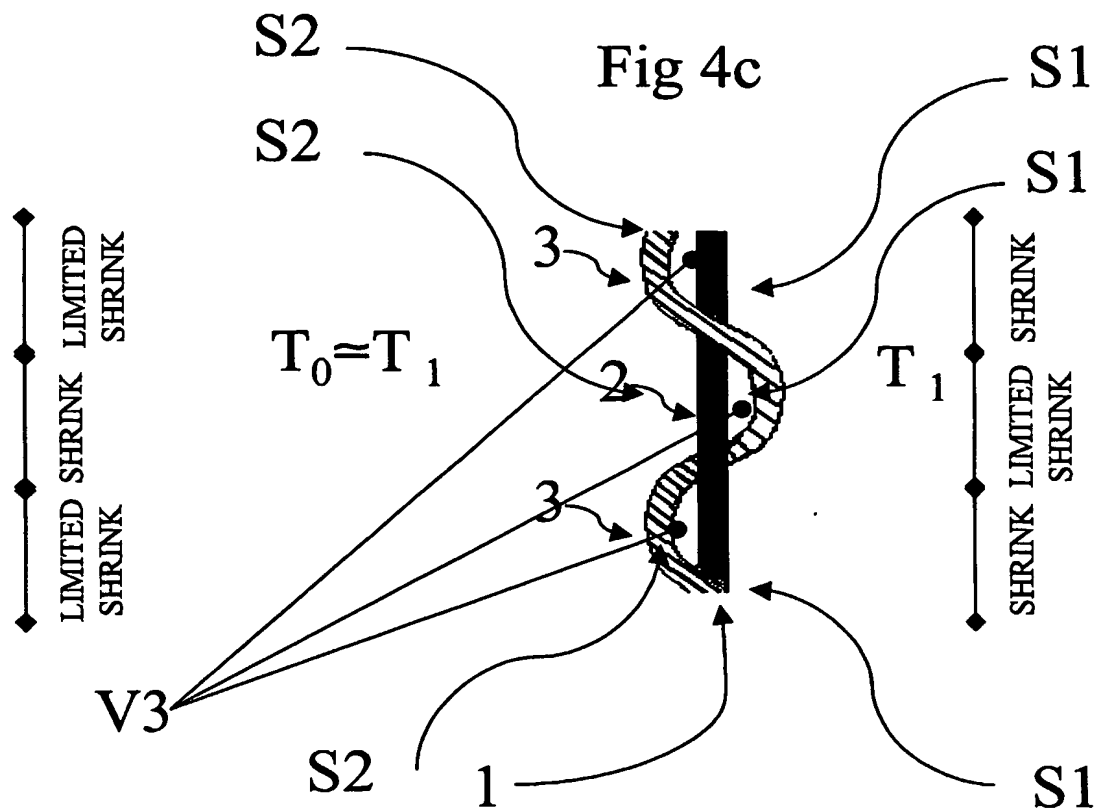


Fig 5

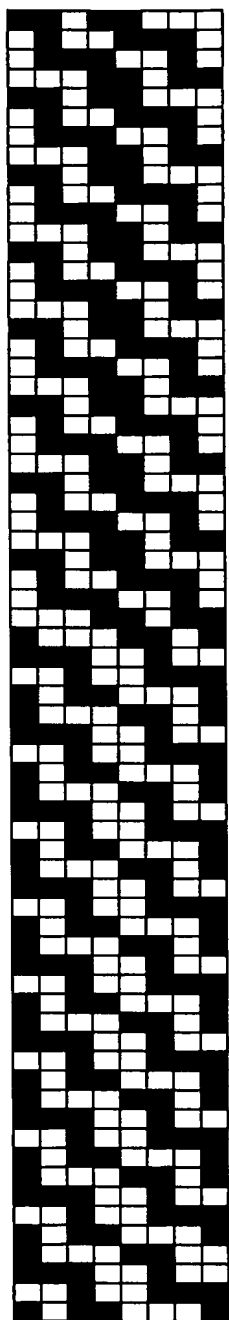
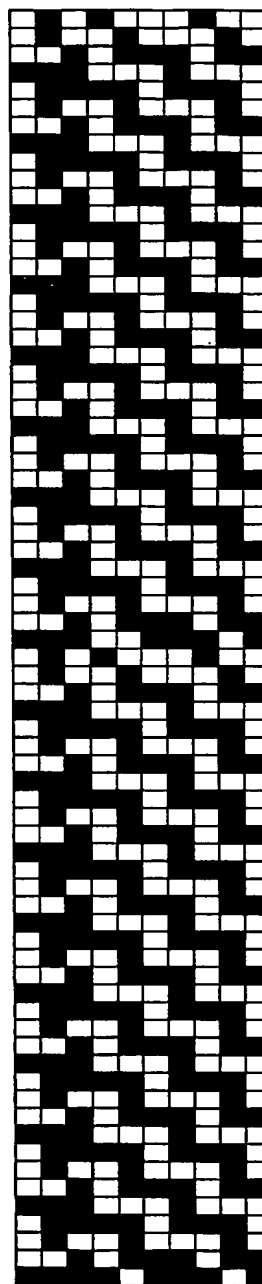


Fig 6



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